

CW



PCT09

RAW SEQUENCE LISTING

DATE: 02/13/2002

PATENT APPLICATION: US/09/701,947A

TIME: 18:27:44

Input Set : A:\Ug_10101.app

Output Set: N:\CRF3\02132002\I701947A.raw

ENTERED
see page 5

```

3 <110> APPLICANT: Altman, Elliot
5 <120> TITLE OF INVENTION: STABILIZED BIOACTIVE PEPTIDES AND METHODS OF
6 IDENTIFICATION, SYNTHESIS AND USE
8 <130> FILE REFERENCE: 235.00010101
10 <140> CURRENT APPLICATION NUMBER: US 09/701,947A
11 <141> CURRENT FILING DATE: 2000-12-05
13 <150> PRIOR APPLICATION NUMBER: 60/104,013
14 <151> PRIOR FILING DATE: 1998-10-13
16 <150> PRIOR APPLICATION NUMBER: 60/112,150
17 <151> PRIOR FILING DATE: 1998-12-14
19 <160> NUMBER OF SEQ ID NOS: 110
21 <170> SOFTWARE: PatentIn Ver. 2.1
23 <210> SEQ ID NO: 1
24 <211> LENGTH: 133
25 <212> TYPE: DNA
26 <213> ORGANISM: Escherichia coli
28 <400> SEQUENCE: 1
29 ggcagtgagc gcaacgcaat taatgtgagt tagctcactc attaggcacc ccaggcttta 60
30 cacttttatgc ttccggetcg tatgttgtgt ggaattgtga gcggataaca atttcacaca 120
31 ggaaacagct atg 133
34 <210> SEQ ID NO: 2
35 <211> LENGTH: 25
36 <212> TYPE: PRT
37 <213> ORGANISM: Artificial Sequence
39 <220> FEATURE:
40 <223> OTHER INFORMATION: Description of Artificial Sequence: peptide
41 having opposite charge ending motif
43 <220> FEATURE:
44 <221> NAME/KEY: SITE
45 <222> LOCATION: (6)..(21)
46 <223> OTHER INFORMATION: any amino acid
48 <400> SEQUENCE: 2
W--> 49 Met Glu Asp Glu Asp Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
50 1 5 10 15
W--> 52 Xaa Xaa Xaa Xaa Xaa Arg Lys Arg Lys
53 20 25
56 <210> SEQ ID NO: 3
57 <211> LENGTH: 14
58 <212> TYPE: PRT
59 <213> ORGANISM: Artificial Sequence
61 <220> FEATURE:
62 <223> OTHER INFORMATION: Description of Artificial Sequence: stabilized
63 angiotensin

```

RAW SEQUENCE LISTING

DATE: 02/13/2002

PROJECT: CRF3\02132002\I701947A

TIME: 14:17:14

Input Set : A:\Ug_10101.app

Output Set: N:\CRF3\02132002\I701947A.raw

```

65 <400> SEQUENCE: 3
66 Pro Pro Asp Arg Val Tyr Ile His Pro Phe His Ile Pro Pro
67   1               5               10
70 <210> SEQ ID NO: 4
71 <211> LENGTH: 18
72 <212> TYPE: PRT
73 <213> ORGANISM: Artificial Sequence
75 <220> FEATURE:
76 <223> OTHER INFORMATION: Description of Artificial Sequence: stabilized
77   angiotensin
79 <400> SEQUENCE: 4
80 Glu Asp Glu Asp Asp Arg Val Tyr Ile His Pro Phe His Ile Arg Lys
81   1               5               10               15
83 Arg Lys
87 <210> SEQ ID NO: 5
88 <211> LENGTH: 10
89 <212> TYPE: PRT
90 <213> ORGANISM: Homo sapiens
92 <400> SEQUENCE: 5
93 Asp Arg Val Tyr Ile His Pro Phe His Ile
94   1               5               10
97 <210> SEQ ID NO: 6
98 <211> LENGTH: 20
99 <212> TYPE: DNA
100 <213> ORGANISM: Artificial Sequence
102 <220> FEATURE:
103 <223> OTHER INFORMATION: Description of Artificial Sequence: primer
105 <400> SEQUENCE: 6
106 gttgccattg ctgcaggcat                               20
109 <210> SEQ ID NO: 7
110 <211> LENGTH: 42
111 <212> TYPE: DNA
112 <213> ORGANISM: Artificial Sequence
114 <220> FEATURE:
115 <223> OTHER INFORMATION: Description of Artificial Sequence: primer
117 <400> SEQUENCE: 7
118 attgaattca taagatcttt cctgtgtgaa attgttatcc gc       42
121 <210> SEQ ID NO: 8
122 <211> LENGTH: 37
123 <212> TYPE: DNA
124 <213> ORGANISM: Artificial Sequence
126 <220> FEATURE:
127 <223> OTHER INFORMATION: Description of Artificial Sequence: primer
129 <400> SEQUENCE: 8
130 attgaattca ccatggacac catcgaatgg tgcaaaa           37
133 <210> SEQ ID NO: 9
134 <211> LENGTH: 19
135 <212> TYPE: DNA
136 <213> ORGANISM: Artificial Sequence

```

RAW SEQUENCE LISTING

DATE: 02/13/2002

SEQUENCE IDENTIFICATION: VS/09/701,947A

ID: 13/07/11

Input Set : A:\Ug_10101.app

Output Set: N:\CRF3\02132002\I701947A.raw

```

138 <220> FEATURE:
139 <223> OTHER INFORMATION: Description of Artificial Sequence: primer
141 <400> SEQUENCE: 9
142 gttgttgcca ttgctgcag 19
145 <210> SEQ ID NO: 10
146 <211> LENGTH: 43
147 <212> TYPE: DNA
148 <213> ORGANISM: Artificial Sequence
150 <220> FEATURE:
151 <223> OTHER INFORMATION: Description of Artificial Sequence: primer
153 <400> SEQUENCE: 10
154 tqtatgaatt cccgggtacc atggttgaag acgaaagggc etc 43
157 <210> SEQ ID NO: 11
158 <211> LENGTH: 36
159 <212> TYPE: DNA
160 <213> ORGANISM: Artificial Sequence
162 <220> FEATURE:
163 <223> OTHER INFORMATION: Description of Artificial Sequence: primer
165 <400> SEQUENCE: 11
166 tactatagat ctatgaccat gattacggat tcaactg 36
169 <210> SEQ ID NO: 12
170 <211> LENGTH: 36
171 <212> TYPE: DNA
172 <213> ORGANISM: Artificial Sequence
174 <220> FEATURE:
175 <223> OTHER INFORMATION: Description of Artificial Sequence: primer
177 <400> SEQUENCE: 12
178 tacataaagc ttggcctgcc cgtttattat tatttt 36
181 <210> SEQ ID NO: 13
182 <211> LENGTH: 47
183 <212> TYPE: DNA
184 <213> ORGANISM: Artificial Sequence
186 <220> FEATURE:
187 <223> OTHER INFORMATION: Description of Artificial Sequence: primer
189 <400> SEQUENCE: 13
190 tatcatctgc agaggaaaca gctatgacca tgattacgga ttcactg 47
193 <210> SEQ ID NO: 14
194 <211> LENGTH: 47
195 <212> TYPE: DNA
196 <213> ORGANISM: Artificial Sequence
198 <220> FEATURE:
199 <223> OTHER INFORMATION: Description of Artificial Sequence: primer
201 <400> SEQUENCE: 14
202 tacataactcg agcaggaaaag cttggcctgc ccggttatta ttatttt 47
205 <210> SEQ ID NO: 15
206 <211> LENGTH: 47
207 <212> TYPE: DNA
208 <213> ORGANISM: Artificial Sequence
210 <220> FEATURE:

```

RAW SEQUENCE LISTING

US/09/701,947A

Date: 12/10/2011
Time: 10:11:11

Input Set : A:\Ug_10101.app

Output Set: N:\CRF3\02132002\I701947A.raw

```

211 <223> OTHER INFORMATION: Description of Artificial Sequence: primer
213 <400> SEQUENCE: 15
214 tatcatggat ccaggaaaca gctatgacca tgattacgga ttcaactg          47
217 <210> SEQ ID NO: 16
218 <211> LENGTH: 36
219 <212> TYPE: DNA
220 <213> ORGANISM: Artificial Sequence
222 <220> FEATURE:
223 <223> OTHER INFORMATION: Description of Artificial Sequence: primer
225 <400> SEQUENCE: 16
226 tactatagat ctatggctat cgacgaaaac aaacag                      36
229 <210> SEQ ID NO: 17
230 <211> LENGTH: 40
231 <212> TYPE: DNA
232 <213> ORGANISM: Artificial Sequence
234 <220> FEATURE:
235 <223> OTHER INFORMATION: Description of Artificial Sequence: primer
237 <400> SEQUENCE: 17
238 atatataagc ttttaaaaat cttcgttagt ttctgctacg                  40
241 <210> SEQ ID NO: 18
242 <211> LENGTH: 35
243 <212> TYPE: DNA
244 <213> ORGANISM: Artificial Sequence
246 <220> FEATURE:
247 <223> OTHER INFORMATION: Description of Artificial Sequence: primer
249 <400> SEQUENCE: 18
250 tactatagat ctatgaacaa aggtgtaatg cgacc                      35
253 <210> SEQ ID NO: 19
254 <211> LENGTH: 35
255 <212> TYPE: DNA
256 <213> ORGANISM: Artificial Sequence
258 <220> FEATURE:
259 <223> OTHER INFORMATION: Description of Artificial Sequence: primer
261 <400> SEQUENCE: 19
262 attagtgaat tcgcacaatc tctgcaataa gtcgt                      35
265 <210> SEQ ID NO: 20
266 <211> LENGTH: 15
267 <212> TYPE: DNA
268 <213> ORGANISM: Artificial Sequence
270 <220> FEATURE:
271 <223> OTHER INFORMATION: Description of Artificial Sequence: primer
272     fragment
274 <400> SEQUENCE: 20
275 agatcttatg aattc                      15
278 <210> SEQ ID NO: 21
279 <211> LENGTH: 15
280 <212> TYPE: DNA
281 <213> ORGANISM: Artificial Sequence
283 <220> FEATURE:

```

RAW SEQUENCE LISTING

PATENT APPLICATION NO: US/09/701,947A

DATE: 01/10/2010
TIME: 18:27:11

Input Set : A:\Ug_10101.app

Output Set: N:\CRF3\02132002\I701947A.raw

```

284 <223> OTHER INFORMATION: Description of Artificial Sequence: primer
285     fragment
287 <400> SEQUENCE: 21
288 agatattatg aattc 15
291 <210> SEQ ID NO: 22
292 <211> LENGTH: 15
293 <212> TYPE: DNA
294 <213> ORGANISM: Artificial Sequence
296 <220> FEATURE:
297 <223> OTHER INFORMATION: Description of Artificial Sequence: primer
298     fragment
300 <400> SEQUENCE: 22
301 agatattatg aattc 15
304 <210> SEQ ID NO: 23
305 <211> LENGTH: 93
306 <212> TYPE: DNA
307 <213> ORGANISM: Artificial Sequence
309 <220> FEATURE:
310 <223> OTHER INFORMATION: Description of Artificial Sequence: randomized
311     oligonucleotide
313 <220> FEATURE:
314 <221> NAME/KEY: misc_feature
315 <222> LOCATION: (16)..(75)
316 <223> OTHER INFORMATION: a, g, c, or t
318 <400> SEQUENCE: 23
W--> 319 tactatagat ctatgnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 60
W--> 320 nnnnnnnnnn nnnnntaata agaattctcg aca 93
323 <210> SEQ ID NO: 24
324 <211> LENGTH: 18
325 <212> TYPE: DNA
326 <213> ORGANISM: Artificial Sequence
328 <220> FEATURE:
329 <223> OTHER INFORMATION: Description of Artificial Sequence: primer
331 <400> SEQUENCE: 24
332 tctcgagaat tcttatta 18
335 <210> SEQ ID NO: 25
336 <211> LENGTH: 20
337 <212> TYPE: DNA
338 <213> ORGANISM: Artificial Sequence
340 <220> FEATURE:
341 <223> OTHER INFORMATION: Description of Artificial Sequence: primer
343 <400> SEQUENCE: 25
344 tcattaatgc agctggcacg 20
347 <210> SEQ ID NO: 26
348 <211> LENGTH: 20
349 <212> TYPE: DNA
350 <213> ORGANISM: Artificial Sequence
352 <220> FEATURE:
353 <223> OTHER INFORMATION: Description of Artificial Sequence: primer

```



Use of n and / or Xaa has been detected in the Sequence Listing. Review the Sequence Listing to ensure a corresponding explanation is present in the <220> to <223> fields of each sequence using n or Xaa

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/701,947A

DATE: 02/13/2002

TIME: 18:27:47

Input Set : A:\Ug_10101.app

Output Set: N:\CRF3\02132002\I701947A.raw

L:49 M:341 W: (46) "n" or "Xaa" used, for SEQ ID# 2
L:52 M:341 W: (46) "n" or "Xaa" used, for SEQ ID# 2
L:319 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:23
L:320 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:23
L:769 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:54
L:836 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:59
L:837 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:59
L:867 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:61
L:897 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:63
L:898 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:63
L:1008 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:65
L:1009 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:65
L:1039 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:67
L:1040 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:67